

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Valid from: 2020-01-31

Version: 202001_EN_1

replaces version: N/A, first version

Page 1 of 10

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Brand name: SERION coupling kit N with beads

Product No.: CKN02

Kit components: A: SERION coupling reagent N01 (CRN01K)
B: SERION coupling reagent N02 (CRN02K)
C: SERION coupling reagent N03 (CRN03K)
D: SERION coupling reagent N04 (CRN04K)
E: SERION coupling reagent N05 (CRN05K)
F: SERION coupling reagent N06 (CRN06K)
G: SERION coupling reagent N07 (CRN07K)
H: SERION blocking buffer for coupling reagents (CB01K)
I: MagSERION carboxy beads (031MP-CK)

1.2 Relevant identified uses of the substance or mixture and uses advised against

For research or manufacturing use only. Not for use in *diagnostic procedures*.

1.3 Details of the supplier of the safety data sheet

Institut Virion\Serion GmbH

Friedrich-Bergius-Ring 19

97076 Würzburg

Germany

Tel. 0049 (0) 931 – 30 45 0

Fax 0049 (0) 931 – 30 45 100

Email info@virion-serion.de

1.4 Emergency telephone number

Manufacturer 0049 (0) 931 – 30 45 0 (Monday to Friday, 8:30 a.m. to 4:00 p.m.)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification per Regulation (EC) No. 1272/2008

Not a hazardous substance or mixture according to EC Regulation No. 1272/2008.

2.2 Label elements

Classification per Regulation (EC) No. 1272/2008

The product does not need to be labelled in accordance with EC Directives or respective national laws.

H statements:

EUH208: Contains sensitizing substances. May produce an allergic reaction.

EUH210: Safety data sheet available on request.

2.3 Other hazards

This mixture does not meet the criteria to be classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Valid from: 2020-01-31

Version: 202001_EN_1

replaces version:

N/A, first version

Page 2 of 10

SECTION 3: Composition/information on ingredients

3.1 Substance

Not applicable.

3.2 Component A, E, F, G, I: Mixture

ProClin 950 (0.1 %)

EG no.: n.a.; CAS no.: n.a.

Classification (Regulation (EC) No. 1272/2008):

Toxic if inhaled, Category 3, H331

Harmful if swallowed, Category 4, H302

Causes severe skin burns and eye damage, Category 1C, H314

May cause an allergic skin reaction, Category 1B, H317

May cause respiratory irritation, Category 3, H335

Very toxic to aquatic life, Category 1, H400

Component B, C, D: Mixture

Trade Secret (0.1 %)

EG no.: n.a.; CAS no.: n.a.

Classification (Regulation (EC) No. 1272/2008):

Harmful if swallowed, Category 4, H302

Causes serious eye damage, Category 2, H319

May cause an allergic skin reaction, Category 1, H317

Toxic to aquatic life with long-lasting effects, Category 2, H411

ProClin 950 (0.1 %)

EG no.: n.a.; CAS no.: n.a.

Classification (Regulation (EC) No. 1272/2008):

Toxic if inhaled, Category 3, H331

Harmful if swallowed, Category 4, H302

Causes severe skin burns and eye damage, Category 1C, H314

May cause an allergic skin reaction, Category 1B, H317

May cause respiratory irritation, Category 3, H335

Very toxic to aquatic life, Category 1, H400

Component H: Mixture

Natriumazide (0.09 %)

EG no.: n.a.; CAS no.: 26628-22-8

Classification (Regulation (EC) No. 1272/2008):

Acute Tox. Category 2, H300

Aquatic Acute Category 1, H400

Aquatic Chronic Category 1, H410

EUH032: Contact with acids liberates very toxic gas.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Valid from: 2020-01-31

Version: 202001_EN_1

replaces version: N/A, first version

Page 3 of 10

SECTION 4: First aid measures

4.1 Description of first aid measures

General instructions: In case of irregular breathing or respiratory arrest, apply artificial respiration. Consult a doctor immediately.

After inhalation: Fresh air or administer oxygen. Consult a doctor if feeling unwell.

After skin contact: Wash off with plenty of water. Remove contaminated clothing immediately. Consult a doctor if symptoms appear.

After eye contact: Flush eyes with plenty of water and intermittently lift the upper and lower eyelids. Check for contact lenses and remove if present. Consult a doctor if irritation occurs.

After swallowing: Rinse mouth and drink plenty of water. Do not induce vomiting. Consult a doctor if feeling unwell.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing measures appropriate to the environment.

Unsuitable extinguishing media: There are no extinguishing agent restrictions for this substance/mixture.

5.2 Special hazards arising from the substance or measure

Component H: A fire in the nearby surroundings may generate hazardous vapours.

5.3 Advice for firefighters

Special protective equipment for firefighters:
Self-contained breathing apparatus required when in the hazard area. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 Advice for non-emergency personnel

Do not inhale vapours/aerosols. Avoid contact with substance. Ensure adequate ventilation. Evacuate the danger zone, follow the emergency plan and consult specialists.

6.1.2 Advice for emergency responders

Protective equipment see section 8.

6.2 Environmental precautions

Do not allow discharge into the sewer system.

6.3 Methods and materials for containment and cleaning up

Remove containers from the discharge area. Avoid discharging into the sewer system, bodies of water, basements or closed areas. Take up material and put in appropriately labelled waste containers. Dispose of using an accredited waste disposal company. Clean.

6.4 Reference to other sections

Instructions for disposal see section 13.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Valid from: 2020-01-31

Version: 202001_EN_1

replaces version: N/A, first version

Page 4 of 10

SECTION 7: Handling and storage

7.1 Precautions for safe handling

7.1.1 Advice on safe handling

Avoid exposure.

7.1.2 Hygiene measures

Change contaminated clothing immediately. Apply preventive skin protection. Wash hands after working with substance.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Store only in original container.

7.3 Specific end uses

Apart from the intended use as per section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection/personal protective equipment

8.1 Control parameters

No components with workplace control parameters.

8.2 Exposure controls

8.2.1 Engineering safety measures

Provide adequate ventilation.

8.2.2 Individual protection measures

Do not eat, drink or smoke when working. Wash hands before breaks and after working. Use ointment for preventive skin protection.

8.2.2.1 Eye/face protection

Safety goggles.

8.2.2.2 Skin protection

Hand protection

Glove material, e. g. nitrile rubber or butyl rubber.

The protective gloves must conform to the specifications of EC Directive 89/686/EEC and the related standard EN374.

Other protective equipment

Protective clothing.

8.2.2.3 Respiratory protection

Not necessary.

8.2.3 Limiting and monitoring environmental exposure

No specific procedures required.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Valid from: 2020-01-31

Version: 202001_EN_1

replaces version: N/A, first version

Page 5 of 10

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Component A, B, C, D, E, F, G, H:

Appearance

Shape: liquid.

Color: colorless.

Component I:

Appearance

Shape: liquid (suspension).

Color: brown.

All components:

Odour

Odourless.

Odour threshold

No information available.

pH

No information available.

Melting point

No information available.

Boiling point

No information available.

Flash point

No information available.

Evaporation rate

No information available.

Flammability (solid, gas)

No information available.

Lower explosion limit

No information available.

Upper explosion limit

No information available.

Vapour pressure

No information available.

Relative vapour density

No information available.

Relative density

No information available.

Water solubility

No information available.

Partition coefficient: n- octanol/water

No information available.

Auto-ignition temperature

Not applicable.

Decomposition temperature

No information available.

Viscosity, dynamic

No information available.

Explosive properties

No information available.

Oxidizing properties

No information available.

9.2 Other information

No other relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

The product is chemically stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Component H: Contact with acids releases toxic gases.

The following can be generated: Nitrous gases.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Component H: Acids, heavy metals.

10.6 Hazardous decomposition products

Component H: Nitrous gases, see section 10.3.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Valid from: 2020-01-31

Version: 202001_EN_1

replaces version: N/A, first version

Page 6 of 10

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Mixture

Component A, E, F, G, I:

Acute oral toxicity

ProClin 950 (0.1 %), LD 50 (oral): 1962 mg/kg

Calculated estimate of the acute oral toxicity ATE (mix): 1962000 mg/kg

Acute inhalation toxicity

ProClin 950 (0.1 %), LC 50 (inhalative): ATE 3 mg/L/4h

Calculated estimate of the acute inhalative toxicity ATE (mix): 500 mg/L/4h

Acute dermal toxicity

No information available.

Skin irritation

ProClin 950 (0.1 %) additive, Category 1C

SCL: Category 1C: 5% (general limit value) category 2: 10% (general limit value)

This component is classified as relevant.

Eye irritation

No information available.

Sensitization of the skin

ProClin 950 (0.1 %), Category 1B

SCL: Category 1B: 1% (general limit value)

The mixture is not skin-sensitizing. Sensitive persons can still suffer from allergies.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

No information available.

Teratogenicity

No information available.

Specific target organ toxicity – single exposure: Respiratory

ProClin 950 (0.1 %), Category 3

SCL: Category 3: 20 % (general limit value)

The mixture is not classified in this category.

Specific target organ toxicity – repeated exposure

No information available.

Aspiration hazard

No information available.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Valid from: 2020-01-31

Version: 202001_EN_1

replaces version: N/A, first version

Page 7 of 10

Component B, C, D:

Acute oral toxicity

Trade Secret (0.1 %), LD 50 (oral): 500 mg/kg

ProClin 950 (0.1 %), LD 50 (oral): 1962 mg/kg

Calculated estimate of the acute oral toxicity ATE (mix): 398457 mg/kg

Acute inhalation toxicity

ProClin 950 (0.1 %), LC 50 (inhalative): ATE 3 mg/L/4h

Calculated estimate of the acute inhalative toxicity ATE (mix): 500 mg/L/4h

Acute dermal toxicity

No information available.

Skin irritation

ProClin 950 (0.1 %) additive, Category 1C

SCL: Category 1C: 5 % (general limit value) Category 2: 10 % (general limit value)

The component is classified as not relevant.

Eye irritation

Trade Secret (0.1 %) additive, Category 2

SCL: Category 2: 10 % (general limit value)

The component is classified as relevant.

Sensitization of the skin

Trade Secret (0.1 %), Category 1

SCL: Category 1: 1 % (general limit value)

ProClin 950 (0.1 %), Category 1B

Category 1B: 1 % (general limit value)

The mixture is not skin-sensitizing. Sensitive persons can still suffer from allergies.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

No information available.

Teratogenicity

No information available.

Specific target organ toxicity - single exposure: Respiratory

ProClin 950 (0.1 %), Category 3

SCL: Category 3: 20 % (general limit value)

The mixture is not classified in this category.

Specific target organ toxicity - repeated exposure

No information available.

Aspiration hazard

No information available.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Valid from: 2020-01-31

Version: 202001_EN_1

replaces version:

N/A, first version

Page 8 of 10

Component H:

Acute oral toxicity

There are no relevant ingredients in the mixture.

Mixture: Calculated estimate of the acute oral toxicity ATE (mix): 30000 mg/kg

The mixture is not classified in this category.

Acute inhalation toxicity

There are no relevant ingredients in the mixture.

The mixture is not classified in this category.

Acute dermal toxicity

There are no relevant ingredients in the mixture.

The mixture is not classified in this category.

Skin irritation

There are no relevant ingredients in the mixture.

The mixture is not classified in this category.

Eye irritation

There are no relevant ingredients in the mixture.

The mixture is not classified in this category.

Respiratory tract sensitization

There are no relevant ingredients in the mixture.

The mixture is not classified in this category.

Skin sensitization

There are no relevant ingredients in the mixture.

The mixture is not classified in this category.

Germ cell mutagenicity

There are no relevant ingredients in the mixture.

The mixture is not classified in this category.

Carcinogenicity

There are no relevant ingredients in the mixture.

The mixture is not classified in this category.

Reproductive toxicity

There are no relevant ingredients in the mixture.

The mixture is not classified in this category.

Effect on lactation

There are no relevant ingredients in the mixture.

The mixture is not classified in this category.

Teratogenicity

No information available.

Specific target organ toxicity – single exposure:

There are no relevant ingredients in the mixture.

The mixture is not classified in this category.

Specific target organ toxicity – single exposure: Respiratory

There are no relevant ingredients in the mixture.

The mixture is not classified in this category.

Specific target organ toxicity – single exposure: Narcotic

There are no relevant ingredients in the mixture.

The mixture is not classified in this category.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Valid from: 2020-01-31

Version: 202001_EN_1

replaces version: N/A, first version

Page 9 of 10

Specific target organ toxicity – repeated exposure

There are no relevant ingredients in the mixture.

The mixture is not classified in this category.

Aspiration hazard

There are no relevant ingredients in the mixture.

The mixture is not classified in this category.

11.2 Further information

No information available.

SECTION 12: Ecological information

Mixture

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT- and vPvB-assessment

There is no PBT/vPvB assessment available because no chemical safety assessment is required/was conducted.

12.6 Other adverse effects

Component B, C, D:

Chronic water hazard

Trade Secret (0.1 %), Category 2, LC₅₀(fish): 7.2 mg/L, EC₅₀(crustaceans): 8,84 mg/L

The mixture is not classified in this category.

All components:

Additional ecological information

Discharge into the environment must be avoided.

SECTION 13: Disposal considerations

Waste treatment methods

Dispose of leftover product in accordance with Directive 2008/98/EC on waste and national and regional regulations. Do not mix with other waste. Treat uncleaned containers depending on the product.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Valid from: 2020-01-31

Version: 202001_EN_1

replaces version: N/A, first version

Page 10 of 10

SECTION 14: Transport information

14.1	UN number	Not classified as dangerous goods as per regulations ADR/RID (land transport), IATA (air transport) and IMDG (marine transport)
14.2	Proper UN shipping name	Not applicable.
14.3	Transport hazard class	Not applicable.
14.4	Packing group	Not applicable.
14.5	Environmentally hazardous	None.
14.6	Special precautions for user	None.
14.7	Transport in bulk according to Annex II of MARPOL Convention 73/78 and the IBC-Code	Not relevant.

SECTION 15: Regulatory information

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
	EC legislation	None known.
	National legislation	None known.
15.2	Chemical safety assessment	
	A chemical safety assessment has not been conducted for this product.	

SECTION 16: Other information

The information contained herein describes the product with reference to the applicable safety precautions. It is not an assurance of the properties of the product.